RAGHA MADHAVI GONDU 



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# CONTACT

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**WEBSITES, PORTFOLIOS, PROFILES**

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EDUCATION

* Master’s in computer information system from Indiana University Northwest.
* BSc Computer Science from Andhra University.

# CERTIFICATIONS

AWS Certified - Solutions Architect Asso

* Proficient in full-stack development, adeptly combining frontend and backend technologies to design, develop, and deploy innovative solutions.
* Demonstrated expertise in **Java 11, React, JavaScript, Spring, AWS, Docker, Kubernetes, Kafka, and Jenkins.**
* Successfully created scalable full-stack applications, ensuring optimal performance and exceptional user experience.
* Extensive experience in database design and optimization, utilizing **MongoDB** and **MySQL** to enhance data storage and retrieval efficiency.
* Designed and maintained **RESTful APIs**, integrating **Kafka** for real-time data processing and communication, leveraging **AWS** for scalable and secure cloud deployments.
* Skilled in containerization with **Docker** and **Kubernetes**, streamlining application deployment and management processes. Automated build and deployment pipelines using Jenkins, reducing manual intervention, and enhancing development efficiency.
* Proficient in unit testing methodologies with **JUnit** and **Mockito**, ensuring high code quality and reliability.
* Provided technical leadership and contributed to efficient project delivery in cross-functional teams.
* Mentored junior developers, fostering a culture of learning and continuous improvement within the team.
* Actively participated in code reviews, offering constructive feedback to enhance overall code quality.
* Troubleshooted and resolved complex technical issues, ensuring smooth operation of software solutions. Engaged in system architecture and design discussions, contributing to the development of scalable and maintainable applications.
* Effectively integrated Angular and other front-end frameworks for optimal user interface design and functionality.
* Familiarity with Agile methodologies, version control systems, microservices architecture principles, web accessibility standards (WCAG), and **CI/CD** pipelines.
* Proficiency in performance monitoring New Relic tools for real-time monitoring and troubleshooting. Implemented internationalization and localization features to support global users.

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| **Languages** | Java 8,11, Python |
| **Web Development**  **(Front – end)** | HTML, XML, CSS3, JavaScript, Adobe Launch,  jQuery. |
| **Frameworks** | Angular.js, React.JS, React Native, Vue.js, Type Script, J Query,  Spring boot, Spring, Express.JS, Spring Batch, Spring Boot, Spring Security, Spring Rest. |
| **Server-side** | Node.js, Rest API, Express.js |
| **Integration tools** | Apache Kafka, Apache Flink |
| **Development Tools** | Eclipse, VisualStudio Code |
| **Databases/Tools** | SQL: - MS-SQL, Oracle, PostgreSQL  No-SQL: - MongoDB |
| **Methodologies** | Agile |
| **CI/CD Tools** | Docker, Kubernetes, Jenkins |
| **Cloud** | AWS, GCB, Azure |
| **Testing Tools** | Junit, JMeter |
| **Operating Systems** | Windows, Linux, UNIX |
| **Version Control** | Git, Bitbucket |
| **Identity and Security** | OAuth |

**WORK HISTORY**

**Client: Alstom, Pittsburgh, PA. (10/2022 - Current)**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Used Core Java and Spring Boot to develop highly reliable and scalable applications. Spring Boot facilitated rapid development and streamlined. The configuration process by providing out-of-the-box solutions for common backend requirements.
* Designed and implemented vital backend functionalities such as schedule management and ticket booking, ensuring smooth operation of mission-critical systems.
* Skilled in front-end development with HTML, CSS, JavaScript, and React.js, adept at crafting responsive and intuitive user interfaces that enhance user experience.
* Actively collaborated with design teams to seamlessly integrate front-end components, contributing to the creation of cohesive and polished end products.
* Employed SQL and MongoDB to optimize data storage and retrieval, improving system performance and efficiency.
* Implemented RESTful APIs to facilitate smooth communication between system components and external services, enabling seamless data exchange.
* Utilized AWS services to ensure high availability and scalability of applications, enhancing system robustness and efficiency.
* Deployed applications using Docker and Kubernetes, streamlining deployment processes, and enhancing system agility for rapid and efficient delivery.
* Dedicated to ensuring high performance and reliability in application development and deployment, prioritizing quality, and user satisfaction.
* Strong problem-solving skills, proficient in troubleshooting and resolving technical issues efficiently, ensuring uninterrupted system operation.
* Proven ability to work effectively in fast-paced environments, adept at meeting tight deadlines without compromising quality, ensuring timely delivery of projects.
* Capable of articulating technical concepts clearly and collaborating effectively with cross-functional teams to achieve project objectives.
* Passionate about staying updated with the latest technologies and trends in development, committed to continuous learning and skill enhancement to adapt to evolving industry requirements.
* Proactive in identifying opportunities for process improvement and implementing innovative solutions, driving efficiency and effectiveness in project delivery.
* Results-driven with a focus on delivering high-quality solutions that meet and exceed customer expectations, ensuring client satisfaction and project success.

**Client: Comcast, Philadelphia, PA. (01/2020 - 09/2022)**

**Role: Full Stack Java Developer**

**Responsibilities:**

* The migration of legacy systems to modern Java-based architectures, optimizing performance and enhancing scalability to meet evolving business needs.
* Implemented robust security measures, including OAuth 2.0 authentication and JWT tokenization, to ensure data integrity and user privacy in compliance with industry standards.
* Integrated diverse third-party APIs and microservices seamlessly into existing applications, augmenting functionality and improving overall system interoperability.
* Developed comprehensive automated testing suites utilizing Selenium tools, significantly reducing manual effort and enhancing code quality.
* The implementation of CI/CD pipelines leveraging Jenkins and GitLab CI, resulting in streamlined development workflows and accelerated deployment cycles.
* Aligned closely with DevOps engineers to automate infrastructure provisioning and configuration management using the cutting-edge Terraform tool, contributing to streamlined and efficient deployment processes.

* Mentored junior developers, providing guidance on Java best practices, design patterns, and emerging technologies, fostering a culture of continuous learning and growth within the team.
* Conducted thorough code reviews and delivered constructive feedback to peers, ensuring adherence to coding standards and promoting code maintainability.
* In technology evaluation and selection processes, conducting research, and making recommendations for tools and frameworks to enhance development efficiency and product quality.
* Implemented performance monitoring and optimization strategies to ensure applications meet and exceed performance benchmarks, enhancing user experience and satisfaction.
* The creation and maintenance of comprehensive technical documentation, ensuring clarity and transparency in project deliverables and processes.
* Demonstrated a proactive approach to problem-solving, identifying and resolving technical challenges promptly to minimize project delays and ensure timely delivery.
* Maintained up-to-date knowledge of industry trends and best practices, actively participating in conferences, workshops, and online courses to enhance skill set and expertise.

**Client: Medstar Health, Columbia, MD.**

**Role: Backend Developer, (02/2018 - 12/2019)**

**Responsibilities:**

* The analysis and design phases of the Software Development Life Cycle, ensuring alignment with project objectives and requirements.
* Implemented a robust batch system utilizing task executor in Multithread process, incorporating features to Retry on batch to enhance fault tolerance and reliability.
* Leveraged caching mechanisms, utilizing technologies Redis, to alleviate database load and significantly improve application response times.
* Integrated advanced security features including JWT authentication and role-based access control (RBAC) using Spring Security, safeguarding data integrity, and ensuring stringent user privacy measures.
* Developed efficient asynchronous messaging systems utilizing technologies Apache Kafka, facilitating real-time data processing and enabling scalable event-driven architectures.
* Designed and executed seamless data migration strategies, ensuring smooth transition between database versions with minimal disruption to ongoing operations.
* Championed the adoption of containerization technologies Docker, establishing consistent development and deployment environments across teams, thereby enhancing productivity and reliability.
* Implemented comprehensive monitoring and logging solutions leveraging Prometheus tools and ELK stack, enabling proactive identification and resolution of system issues, ensuring optimal performance and reliability.
* Actively engaged in knowledge sharing sessions and internal training programs, fostering a culture of continuous learning and professional development within the team, and contributing to overall team growth and success.
* Initiated for continuous improvement, and implementing automated testing frameworks or optimizing development workflows, enhancing efficiency and productivity across projects.
* Demonstrated strong problem-solving abilities, consistently addressing technical challenges, and finding innovative solutions to ensure project success and client satisfaction.
* Maintained up-to-date knowledge of emerging technologies and industry trends, regularly participating in conferences, workshops, and online courses to enhance skill set and expertise, and effectively applying this knowledge to drive innovation and excellence in projects.

**Client: Edge Verve, Bengaluru, India. (04/2017 - 02/2018)**

**Role: Java Developer**

**Responsibilities:**

* Developing web applications on MVC based frameworks including Spring, Spring IOC, Spring Security, Spring Boot, Spring Cloud, and Spring MVC, ensuring robustness and scalability.
* In the development, deployment, and troubleshooting of web- based and enterprise-based applications on diverse platforms are Windows, UNIX, and Linux, ensuring seamless operation across environments.
* Developed web applications using AngularJS, JavaScript, and CSS, with a focus on creating intuitive user interfaces and enhancing user experience.
* Utilized HTML, CSS3, and AngularJS to design and optimize entire web applications for mobile compatibility, ensuring accessibility across devices.
* Developed application components and technical specifications, ensuring adherence to project requirements and standards.
* Leveraged Spring IOC to define beans and manage object dependencies efficiently, enhancing modularity and maintainability of applications.
* Implemented Spring AOP components for Transaction Management and logging, ensuring robust data integrity and system monitoring capabilities.
* Managed client-side validations effectively using JavaScript, enhancing data integrity and user experience.
* Actively participated in design discussions, providing technical expertise and contributing to the development of technical specifications.
* Developed Spring controllers and server-side modules to process client requests efficiently using the MVC Controller pattern, ensuring smooth application flow and responsiveness.
* Created consumer applications for SOAP web services, enabling seamless integration and data exchange between systems.
* Responsible for providing optimized SQL queries and integrating them with DAO layer using Spring, ensuring efficient data retrieval and manipulation.
* Managed deployments in both production and non-production environments, ensuring smooth transitions and minimal downtime.
* Engaged in continuous improvement initiatives, suggesting process enhancements and advocating for the adoption of tools to streamline development workflows and increase productivity.
* In establishing coding conventions and guidelines, fostering a standardized approach to software development within the team, ensuring consistency and maintainability of codebase.
* Demonstrated strong problem-solving skills and the ability to troubleshoot technical issues efficiently, ensuring timely resolution and minimal disruption to project timelines.